

What is claimed is:

1 An optical disk drive device for use with a rewritable optical disk having physical tracks provided in a recording area, and each corresponding to one revolution, and sectors provided in the physical tracks and each having a header region in which an address is recorded, wherein

- a logical track is composed of a predetermined number of sectors;

- the logical track to which each sector belongs can be identified by designating the address recorded in the header region of said sector;

- a predetermined number of bits from a beginning of the address of each sector represent the address of the logical track to which the sector belongs;

- a predetermined number of bits from an end of the address of each sector represent the position of the sector within the logical track;

- each logical track is formed by 2^n sectors where n is an integer, and the addresses are represented by sequentially numbered binary digits;

- a recording area attribute is set to indicate whether the recording area permits rewriting, or does not permit rewriting; and

- data representing the recording area attribute is recorded in a structure management table provided in a predetermined position on the optical disk;

- said optical disk drive device comprising:

- a unit for identifying the address of the logical track to which the sector belongs based on said predetermined number of bits from the beginning of the address of each sector;

- a unit for identifying the position of the sector within the track based on said predetermined number of bits from the end of said address of the sector;

- a unit for recording data representing the recording area attribute in the structure management table;

- a unit for recording data in a predetermined part of the recording area; and

- a unit for altering the data representing the recording area attribute in the structure management table to indicate that rewriting is not permitted so that said predetermined part is regarded as a ROM area which cannot be rewritten during reproduction.

2. An optical disk drive method for a rewritable optical disk having physical tracks provided in a recording area, and each corresponding to one revolution, and sectors provided in the physical tracks and each having a header region in which an address is recorded, wherein

- a logical track is composed of a predetermined number of sectors;

- the logical track to which each sector belongs can be identified by designating the address recorded in the header region of said sector;

- a predetermined number of bits from a beginning of the address of each sector represent the address of the logical track to which the sector belongs;

- a predetermined number of bits from an end of the address of each sector represent the position of the sector within the logical track;

- each logical track is formed by 2^n sectors where n is an integer, and the addresses are represented by sequentially numbered binary digits;

- a recording area attribute is set to indicate whether the recording area permits rewriting, or does not permit rewriting; and

- data representing the recording area attribute is recorded in a structure management table provided in a predetermined position on the optical disk;

- said optical disk drive method comprising the steps of:

- identifying the address of the logical track to which the sector belongs based on said predetermined number of bits from the beginning of the address of each sector;

- identifying the position of the sector within the track based on said predetermined number of bits from the end of said address of the sector;

- recording data representing the recording area attribute in the structure management table;

- recording data in a predetermined part of the recording area; and

- altering the data representing the recording area attribute in the structure management table to indicate that rewriting is not permitted so that said predetermined part is regarded as a ROM area which cannot be rewritten during reproduction.